

# N.I.H.



# record

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## HAMSTERS TO PRESENT 6th "LIFE AT NIH" SHOW

The annual Hamster show, "Life at NIH," will be presented on May 24, 25, and 26, at 8:30 p.m. in the CC Auditorium. Tickets, priced at \$1.10 each, are now on sale at the CC lobby desk or may be obtained from R & W Division Representatives.

This year's presentation comes to life under the title of "Health's a-Poppin'" and includes a cast of over 50. The show is under the direction of Dr. Richard Williams, and the script was written by Judson Hardy. There will be Spanish dances, a Hawaiian scene complete with Hawaiian dancers from the NIH reservation, and a variety of other acts.



Dr. Scheele addresses an overflow crowd at the awards ceremony in Wilson Hall.

## 394 EMPLOYEES HONORED AT ANNUAL AWARDS CEREMONY

In the largest annual awards ceremony in NIH's history, a total of 48 employees received \$6360 in Superior Performance Awards, while five were honored for 30 years' Government service, 44 for 20 years' service and 297 for 10 years' service. The ceremony, which was held in Wilson Hall on May 4, was highlighted by addresses by Mr. Bradshaw Mintener, Chairman of the DHEW Board on Employee Awards, and Surgeon General Leonard A. Scheele. Mr. Scott Adams, Chairman, NIH Board on Employee Awards, presided over the ceremony, and the awards were presented by Dr. C. J. Van Slyke, NIH Associate Director.

Seven employees received individual Superior Performance Awards ranging from \$500 to \$215. Three awards of \$500 each were presented to Mr. John E. Fletcher, OD, Dr. Milton Winitz, NCI, and Dr. Harold P. Morris, NCI, all recent winners of DHEW Superior Service Awards.

An award of \$250 went to Mrs. Mollie P. Breyere, passenger and traffic clerk, for her unusually successful record of efficient travel planning for NCI scientists. Another \$250 was awarded to Mr. Harry W. Diehl, physical science aide, for his discovery of new chemical compounds of importance to the NIAMD Laboratory of Chemistry. Mr. George Sklar, supervisory auditor, DRG, was also the recipient of a \$250 award for outstanding efficiency in administration of the field audit of the research grants program. An award of \$215 went to Mr. Israel Light, NCI information specialist, for his organization of a highly successful all-day meeting of science teachers at NIH.

A Superior Performance Group Award was presented to the Unit on Amino Acid Production and Nutrition of the NCI Laboratory of Biochemistry, which was cited for extraordinary accomplishment in the production of large quantities of amino acids for use by NCI scientists.

The Follow-Up Unit of the SMB Procurement Section won a \$395 group award for its efficient work in promoting the prompt delivery of all materials and equipment ordered at NIH. A \$700 award went to the Duplicating Unit of the DRG Administrative Services Section for the swift and superior work it does at NIH's printing plant. The fourth Superior Performance Group Award was a \$1300 check for the CC Clinical Pathology Department, which was cited for its remarkable record in the conduct and development of the testing procedures which service all CC clinical professions.

Helen S. Dalrymple and Lloyd M. Runkle, DRS, were honored for 30 years of Government service. Other NIH 30-year award winners were James F. O'Donnell, Frederick B. Thraillkill, and Ray E. Willey, of Hamilton, Mont.

Recipients of the 20-year awards were William G. Baylis, Mary D. Bertha, C. Lee Bowen, Lynda Lee Cahoon, Paul T. Calderwood,

(See Awards, Page 3)

# Studies of Drugs on Certain Psychological Functions

No. 162 in a Series



Miss Ogretta Humphries, Psychologist, runs visual perception test on patient.

A study is being conducted in NIMH to determine the effects of a variety of drugs on humans. In these studies, chlorpromazine, LSD, meperidine, and secobarbital have been used to determine their psychological effects on normal adults.

The double-blind technique, where neither the subject nor the person running the tests knows which drug is being administered, is being employed in these tests.

After the drugs are administered orally, the patients, who are normal volunteers, are kept on the ward for study. Observations are then made and findings recorded by ward nurses. Normally, the effects of the drugs last approximately six hours. Each patient receives the drug at two separate intervals -- once at low dosage and once at high dosage. The results of the tests have indicated that chlorpromazine has as much effect as secobarbital, but neither drug has any residual effect. The tests are run over a period of two months, a total of ten tests per person during that period.

The tests include intellectual, motor coordination and perceptual tests. The total time necessary to complete all tests is approximately 90 minutes. Test analyses revealed that there is statistically significant impairment in performance

of the subjects when they received the secobarbital, chlorpromazine, and LSD. Secobarbital, however, produced greater impairment than chlorpromazine, although not statistically significant. In no individual test was impairment of performance caused by secobarbital significantly greater than that of chlorpromazine.

Meperidine, at the dosages used, did not significantly impair psychological functioning.

In addition, it was found that the subject who was most affected by one drug was often the one most affected by the other drugs.

Dr. Conan H. Kornetsky and Miss Ogretta A. Humphries, both of NIMH, have been conducting these studies.

Plans are now under way to continue studies of this nature in the field of stimulant drugs and to compare findings with those of depressant drugs. Also projected is a study on the relation between individual responsiveness to drugs and personality.

## N. I. H. RECORD

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## Publication Preview

The following manuscripts were received by the SRB Editorial Section between April 14 and April 30.

Anderson, George S. A comprehensive attack on cerebral palsy.

Anfinson, C. B., Jr. Biochemical aspects of atherosclerosis.

Arnold, F. A., Jr., et al. Effect of fluoridated public water supplies on dental caries prevalence. II. Summary results of the tenth year of the Grand Rapids-Muskegon study.

Bell, J. Frederick, et al. A polyvalent toxoid for botulism in mink.

Blough, Donald S. Some effects of drugs on visual discrimination in the pigeon.

Davis, Gordon E., et al. Observations on the biology of the argasid tick *Ornithodoros foleyi* Parrot, 1928 (Ixodoidea, Argasidae).

Dorn, Harold F. Cancer of the liver, infectious hepatitis and cirrhosis of the liver in the United States.

Drage, G. A., et al. Diseases of the muscles.

Dunn, John E., et al. The usefulness of death certificate statement of occupation in comparing mortalities.

Dunn, John E., et al. Excess lung cancer mortality rates among Mexican women in California.

Eagle, Harry. The nutritional requirements for the propagation of poliomyelitis virus by the HeLa cell.

Emmons, Chester W. Silver in the treatment of experimental cryptococcosis.

Emmons, Chester W. Epidemiology of the mycoses.

Fish, M. S., et al. Studies on hallucinogenic snuffs.

Foltz, Calvin M., et al. The stereochemistry of the 1-phenyl-1,2-propanediols and of diisopropylamine.

Fouts, J. R., et al. Some mechanisms of drug potentiation.

Frank, Karl, et al. Electrical properties of spinal motoneurons.

Gay, William I. Prosthetic replacement of the mid shaft of the radius of the dog.

Gay, William I. Recently developed orthopedic operations applicable to canine practice.

Gibson, Colvin L. Comparative results of the dye test for toxoplasmosis in an urban and a rural Negro population.

Haenszel, William, et al. A proposed study for extending the scope and improving the quality of mortality data.

Hayes, Richard L., et al. Clinical and roentgenographic determination of dental caries experience of school children in Grand Rapids, Michigan.

Hill, Borroughs R., et al. The sedimentation behavior of serum lactic dehydrogenase.

Hill, Harris E., et al. Motivational determinants in the pharmacological modification of behavior: morphine and pentobarbital.

Horecker, B. L., et al. The role of xylulose 5-phosphate in the transketolase reaction.

Hueper, W. C. Experimental carcinogenic studies in macromolecular chemicals. I. Neoplastic reactions in rats and mice following parental introduction of polyvinyl pyrrolidones.

Hurwitz, Jerard, et al. The purification of phosphoketopentose isomerase from *Lactobacillus pentosus* and the preparation of xylulose 5-phosphate.

Kelman, Herbert C. Three processes of acceptance of social influence: compliance, identification and internalization.

Korn, Edward D., et al. Enzymic degradation of heparin.

Li, Choh-lu, et al. Some properties of denervated muscles recorded with intracellular electrodes.

Liddle, Grant W., et al. Studies of structure-function relationships of steroids: the 2-methyl corticosteroids.

Mehler, Alan H., et al. Studies with carboxyl-labeled 3-hydroxyanthranilic and picolinic acids in vivo and in vitro.

Mider, G. Burroughs. Some developments in cancer research.

Nadel, Eli, et al. Comparative effects of ACTH and LSD on urinary corticosteroids in guinea pigs.

Omata, Robert R., et al. A selective medium for oral fusobacteria.

Parrott, Robert H. APC viruses in respiratory diseases -- clinical aspects.

Redl, Fritz. What makes children misbehave?

Richtmyer, Nelson K., et al. Sedoheptulose - its rotation, reducing power, equilibrium with sedoheptulosan in acid solution, and crystalline hexaacetate; also crystalline 2,7-anhydro-8-D-althro-heptulofuranose.

Schaefer, Earl S., et al. Quantification of maternal behavior and consistency of mother-child interaction.

Scheer, Irving, et al. 5-cholesten-3 $\beta$ , 26-diol.

Shimkin, Michael B., et al. Survival in untreated and treated cancer.

Schmid, Rudi. Bilirubin glucuronide, the direct reacting bilirubin, in serum, bile, and urine.

Schwartz, Charlotte G. Aspects of society in the rehabilitation process -- the stigma of mental illness.

Sokoloff, Louis. Factors regulating the total and regional circulation of the brain.

Tallent, W. H., et al. The structure of pindoline.

Vivian, Donald L. The practical synthesis of 1-phenazolinol.

Vivian, Donald L., et al. Reactions of 2-nitrodiphenyl sulfide and related sulfones in attempted ring closure.

Westfall, B. B., et al. Effect of glutamine on the growth and metabolism of liver cells in vitro.

Witkop, Bernhard, et al. Studies in the stereochemistry of  $\beta$ -ephedrine.

Wood, Harry B., Jr., et al. Some products arising from the condensation of D-ribose with benzaldehyde 2,3-o-benzylidene-8-D-ribofuranose and di-(2,3-O-benzylidene-D-ribofuranose)-1,5': 1'5-dianhydride.

Wood, John W. An electrically heated and thermostatically controlled oil bath.

Wyckoff, R. S. G. Viruses and macromolecules studied with the electron microscope and ultracentrifuge.

Wynne, C. Lyman, et al. Family relationships of schizophrenic patients: a "rubber fence" hypothesis.

Yagoda, H. Frequency of thindown hits by heavy primary nuclei in emulsion and tissue.

## NIH Spotlight



Catherine Roelkey

The job undertaken by the social worker in a medical setting is a difficult and challenging one. For each individual case, she must draw upon her knowledge of people and how they can be helped, of community resources, and of the particular medical problem with which her patient is faced. In all cases, she must respect the patient's "right of self-determination" and help him to reach his own solution to his problems. Such an assignment is held down by blonde, attractive Kay Roelkey, program supervisor of Cancer Social Service.

The problems with which Kay and her staff of three caseworkers are concerned are the personal, social, or economic difficulties that accompany any kind of long-term illness. In some cases they may have to deal with the patient's emotional attitude toward his own illness, or arrange day care for members of the patient's family, or help prepare him for problems he may face after his discharge. To help solve the problem, Kay says, "We attempt to know the individual, his culture, to study his personality, to evaluate the problem and help the patient move toward the best solution for him."

At all times, the social worker is functioning as a part of the hospital team of doctors, nurses, occupational and physical therapists and others who come in close daily contact with the patient. Because she is also serving as a link between the hospital and the community, she works with the patient's family and often in close cooperation with the local social agencies.

## Lost and Found

The following articles have been found on the NIH reservation and may be seen in the Guard Office, Room 1A-06, Building 10.

Assorted gloves	Galoshes
Earrings	Scarves
Eyeglasses	Woman's jacket
Belts	Umbrellas
Fountain pens	Cigarette lighter
Keys	

## GUARD OF THE MONTH

A ready willingness to comply with suggestions and orders and an initiative to follow through on his own has brought Kenneth Startin of the Guard Section the honor of Guard of the Month.

Corporal Startin joined the NIH Guard Force in 1955 after serving with a county government in Virginia. From 1936 until 1952 he had served with the Army and Air Force as a motor transportation supervisor and was honorably discharged with the rank of Master Sergeant. He was born in Salt Lake City, Utah, where he attended school.

Kay brings a rich background of training and experience to her present task. She received her undergraduate training in sociology at Seton Hill College in Greensburg, Pa., and her master's degree in psychiatric social work at Catholic University. For two and a half years, she served as medical social worker with the Red Cross at Fort Benjamin Harrison and Fort Lee. After a stint at Mercy Hospital in Pittsburgh, she switched to psychiatric social work and spent three years in this field at Walter Reed Army Hospital before coming to NIH in 1954.

Kay and her four sisters grew up in Uniontown, Pa., which is still the Roelkey family home. Born with a "wandering foot," she has travelled over most of the Eastern U. S., Canada, and parts of the West. Next fall she plans to complete her exploration of the West with a trip to California. Other favorite pastimes include swimming, reading, and bridge, and she admits to "dabbling at golf."

In addition, she finds time to serve as secretary of the Metropolitan Washington Chapter of the Psychiatric Social Work Section, and as a member of the Advisory Council of the D. C. Mental Health Association.

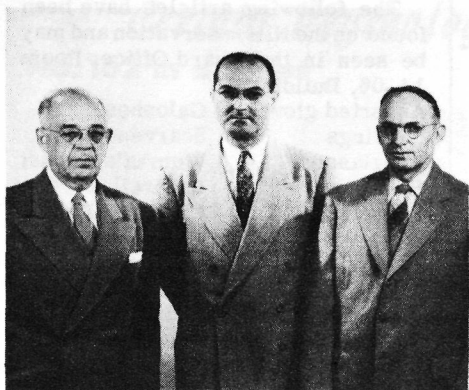
## AWARDS Cont'd

Mildred E. Causey, Louise C. Clark, Jacob L. Craumer, William C. Curtis, Frances C. Dajnowski, Bertie E. Dawson, Joseph A. Derbis, Robert E. Frazier, Earl Gillums, Florence B. Hall, William O. Hendershot, Myrtle W. Jones, Mary M. Kanyuch, Harry J. Knight, Robert E. Leamouth, Peter J. Lewis, Rebecca M. Lipford, Harry J. McGahren, Charles E. Mills, Ada Murphy, David D. Murray, Esther J. Nickerson, Helen D. Park, Charles T. Razum, Lois S. Romer, Foster J. Rowen, Herbert F. Seversmith, Helen B. Smith, Thomas J. Smith, Marvin I. Snell, Curtis Sullivan, Francis S. Taylor, Jr., Emily E. Trueblood, Donald R. Watson, Roger R. Wright, and Louise B. Young. Others who received 20-year awards were Arnel K. Thompson and Galba D. Van Horn of Lexington, Ky., and James M. Brennan, of Guatemala City, Guatemala.

The 297 10-year award winners will be honored at separate Institute ceremonies. Also on the awards program was the list of 30 new members of the NIH 1000-Hour Sick-Leave Club.



## SUPERIOR PERFORMANCE WON \$6360 FOR THESE EMPLOYEES



Pictured here are individual Superior Performance Award winners George Sklar, DRG; Israel Light, NCI; and Dr. Harold Morris, NCI.



Additional individual Superior Performance winners are John E. Fletcher, OD; Dr. Milton Winitz, NCI; Mrs. Mollie P. Breyere, NCI; and Harry W. Diehl, NIAMD.



Superior Performance Group Awards were received by the Follow-Up Unit of the SMB Procurement Section,



the Duplicating Unit of the DRG Administrative Services Section,



the Clinical Center Clinical Pathology Department,



and the Unit on Amino Acid Production and Nutrition of the NCI Laboratory of Biochemistry.